| FOI       | RM PTO-1595<br>1-31-92                 | 1 2 2004 E                               | CORDATION FORM CO<br>PATENTS ON        | OVER SHEET<br>LY |                                       | Patent and Trade<br>Attorney Docket I<br>Attorney Custom | nark Office<br>lo. 09481.0999<br>er Number: 22,852 |
|-----------|--|--|--|------------------|---------------------------------------|--|--|
| ro the D  | irector of the by                      | Patent and Trade                         | emark Office:<br>ents or copy thereof. |                  | Mail Sto                              | p Assignment R   | ecordation Services                                |
| Please n  | ecord the attache<br>Name of conveying | a party(ies):                            | ents or copy were                      | 2.               | Name and ad                           | Idress of receiving                                      | party(les):  |
| 1.        | IGEN International                     | l, inc.                                  |  |                  | DinVorio (                            | Companion:   | •  |
|           |  |  |  | Name:            | · · · · · · · · · · · · · · · · · · · | Corporation ————————————————————————————————————         | •  |
| Addition  | al name(s) of conv                     | eying party(ies) atta                    | ached? ☐ Yes ⊠ No                      | Interna          | l Address:                            |  |  |
| 3.        | Nature of conveya                      | ince:                                    |  | Street           | Address:                              | 16020 Industriai D                                       | rive<br>   |
| ⊠.        | Assignment                             | ☐ Merger                                 |  | City:            | Galthersburg                          |  |  |
| 0         | Security<br>Agreement                  | ☐ Change                                 | e of Name                              | State:           | Maryland                              | Zip Code:  | 20877  |
|           | Other:                                 |  |  | Additio          | nal name(s) &                         | Address(es) attac  | hed?   |
| Execution |  | ary 12, 2004                             |  |                  | ☐ Yes                                 | ⊠ No   | •  |
| 4.        | Application numb the application:      | er(s) or patent num                      | ber(s): If this document               | t is being filed | together with a                       | new application,   | the execution date of                              |
| A.        | Patent Application                     | n Number(s):                             |  | В.               | Patent Num                            | ber(s):  |  |
|           | SEE ATTACHED                           | LIST                                     |  |                  | SEE ATTAC                             | CHED LIST  |  |
|           |  | Additio                                  | onal numbers attached?                 | Yes              |                                       | No   |  |
| 5         | Name and address                       | ss of party to whom<br>nent should be ma | n correspondence<br>iled:              | 6.               | Total number involved: 1              | er of applications (<br>27                               | and registrations                                  |
| Name:     |  |  |  | 7.               | Total fee (3                          | 7 CFR 3.41): \$5,0                                       | 080.00   |
|           |  |  | ·                                      | ٥                | ₫ Enclos<br>accour                    |  | deficiency to deposit                              |
|           |  |  | · · · · · · · · · · · · · · · · · · ·  |                  | Author                                | rized to be charge                                       | d to deposit account                               |
| Interna   | Address: FINNI                         | GAN, HENDERSO<br>NNER, L.L.P.            | ON, FARABOW, GARR                      | ETT              |                                       |  |  |
| Street    |  | l Street, N.W.                           |  |                  |                                       |  |  |
| City:     | Washing                                | ton, D.C.                                |  |                  |                                       |  |  |
| State:    |  | Zip:                                     | 20005-3315                             | 8.               | Deposit Ac                            | count No.: <u>06-09</u>                                  | <u>16</u>  |
| 9         | Statement and si                       |  |  |                  |                                       |  | :  |
| To the    |  | ige and belief, the                      | foregoing information is               | s true and con   | rect and any at                       | tached copy is a t                                       | rue copy of the origina                            |
|           | •                                      |  |  | 1/1              | 2/                                    | April 27,  | 2004   |
|           | William L. Straus                      | s, Reg. No. 47,114                       | Station                                | Signature        |                                       | righti seri  | Date   |
|           | •                                      |  | ages including cover st                | heet, attachm    | ents and docur                        | ments: 40  |  |

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# Attachment to Recordation Form Cover Sheet Patents Only filed April 27, 2004

| Application<br>Number | Patent<br>Number | Title  |
|-----------------------|------------------|--|
| 08/326,535            | 5,720,922        | Instrument Incorporating Electrochemiluminescent Technology  |
| 08/462,605            | 5,700,427        | Apparatus and Methods for Carrying Out Electrochemiluminescence Test Measurements                            |
| 08/461,257            | 5,632,956        | Apparatus and Methods for Carrying Out Electrochemiluminescence Test Measurements                            |
| 08/461,647            | 5,624,637        | Apparatus and Methods for Carrying Out Electrochemiluminescence Test Measurements                            |
| 08/462,822            | 5,543,112        | Apparatus and Methods for Carrying Out Electrochemiluminescence Test Measurements                            |
| 08/061,676            | 5,466,416        | Apparatus and Methods for Carrying Out Electrochemiluminescence Test Measurements                            |
| 187,095               |                  | Apparatus for Conducting a Plurality of Simultaneous Measurements of Electrochemiluminescent Phenomena       |
| 07/647,687            | 5,093,268        | Apparatus for Conducting a Plurality of<br>Simultaneous Measurements of<br>Electrochemiluminescent Phenomena |
| 07/267,234            | 5,061,445        | Apparatus for Conducting Measurements of Electrochemiluminescent Phenomena                                   |
| 09/074,472            |                  | Assays Employing Electrochemiluminescent Labels and Electrochemiluminescence Quenchers                       |
| 09/023,483            | 6,635,418        | Assay Methods for Nucleic Acid in a Sample   |
| 09/976,437            |                  | Assays for Measuring Nucleic Acid Binding Proteins and Enzyme Activities                                     |
| 09/157,808            | 6,312,896        | Assays for Measuring Nucleic Acid Binding Proteins and Enzyme Activities                                     |
| 09/157,809            | 6,214,552        | Assays for Measuring Nucleic Acid Damaging Activities  |
| 09/799,551            | 6,673,542        | Assays for Measuring Nucleic Acid Damaging Activities  |
| 08/402,829            | 5,457,564        | Complementary Surface Confined Polymer   |

| Patent<br>Number | Electrochromic Materials, Systems, and  |
|------------------|---|
|                  | Flectrochromic Materials, Systems, and  |
|                  |   |
|                  | Methods of Fabrication Therefor   |
| E 040 626        | Complementary Surface Confined Polymer  |
| 5,818,636        | Electrochromic Materials, Systems, and  |
|                  | Methods of Fabrication Therefor   |
|                  | Coreactant-Including  |
|                  | Electrochemiluminescent Compounds,  |
| •                | Electrochemiuminescent Compounds,   |
|                  | Methods, Systems and Kits Utilizing Same  |
| •                | Coreactant-Including  |
|                  | Electrochemiluminescent Compounds,  |
|                  | Methods, Systems and Kits Utilizing Same  |
| 6,048,687        | Cycling DNA/RNA Amplification   |
| <u>.</u>         | Electrochemiluminescent Probe Assay   |
|                  | Cycling DNA/RNA Amplification   |
| •                | Electrochemiluminescent Probe Assay   |
|                  | Deazaflavin Compounds and Methods of  |
|                  | Use Thereof   |
| 6 146 838        | Detection of Water-Borne Parasites Using  |
| 0,140,000        | Electrochemiluminescence  |
|                  | ECL Labels Having Improved NSB  |
|                  | Properties  |
| 5 282 955        | Electrically Conductive Polymer   |
| 5,202,555        | Composition, Method of Making the Same  |
|                  | and Device Incorporating the Same   |
|                  | Electrochemiluminescence Flow Cell and  |
|                  | Flow Cell Components  |
|                  | Electrochemiluminescence Flow Cell and  |
| •                | Flow Cell Components  |
| 5.400.540        | Electrochromic, Electroluminescent and  |
| 5,189,549        | Electrochemiluminescent Displays  |
|                  | Electrochromic, Electroluminescent and  |
| 5,444,330        | Electrochemiluminescent Displays  |
|                  | Electrochemiuminescent Displays   |
| .•               | Electrochromic, Electroluminescent and  |
|                  | Electrochemiluminescent Displays  |
| 5,804,400        | Electrochemiluminescent Assay   |
|                  | Electrochemiluminescence of Rare Earth  |
|                  | Metal Chelates  |
| 5,643,713        | Electrochemiluminescent Monitoring of   |
| •                | Compounds   |
| 6,165,708        | Electrochemiluminescent Monitoring of   |
| -11              | Compounds   |
| 6.316.180        | Electrochemiluminescent Monitoring of   |
| 0,0,0,100        | Compounds   |
|                  | Electrochemiluminescent Assays  |
|                  | 6,048,687  6,146,838  5,282,955  5,189,549  5,444,330  5,804,400  5,643,713  6,165,708  6,316,180 |

| Application | Patent                                       | Title                                  |
|-------------|--|--|
| Number      | Number                                       |  |
| 08/472,425  | 6,316,607                                    | Electrochemiluminescent Assays         |
| 10/274,079  |  | Electrochemiluminescent Assays         |
| 08/415,758  |  | Electrochemiluminescent Assays         |
| 08/373,365  | 5,610,075                                    | Electrochemiluminescence Assays for    |
|             |  | Endotoxins                             |
| 08/467,712  | •  | Electrochemiluminescent Enzyme         |
|             |  | Biosensors                             |
| 08/484,766  |  | Electrochemiluminescent Enzyme         |
|             |  | Immunoassay                            |
| 08/928,075  | 6,524,865                                    | Electrochemiluminescent Enzyme         |
|             |  | Immunoassay                            |
| 10/234,874  |  | Electrochemiluminescent Enzyme         |
|             |  | Immunoassay                            |
| 266,914     |  | Electrochemiluminescent Reaction Using |
|             |  | Amine-Derived Reductant                |
| 08/196,315  | 6,165,729                                    | Electrochemiluminescent Reaction Using |
|             |  | Amine-Derived Reductant                |
| 08/465,928  | 5,846,485                                    | Electrochemiluminescent Reaction Using |
|             | · · · · · · · · · · · · · · · · · · ·        | Amine-Derived Reductant                |
| 08/467,936  | 6,271,041                                    | Electrochemiluminescent Reaction Using |
|             |  | Amine-Derived Reductant                |
| 08/467,232  | 6,451,225                                    | Electrochemiluminescent Reaction Using |
|             |  | Amine-Derived Reductant                |
| 09/590,398  |  | Electrochemiluminescent Reaction Using |
|             | ·  | Amine-Derived Reductant                |
| 117,017     |  | Electrochemiluminescent Rhenium        |
|             | <u>.                                    </u> | Moieties and Methods for Their Use     |
| 08/470,247  | 5,716,781                                    | Method of Calibration of an            |
|             |  | Electrochemiluminescent Assay System   |
| 08/468,524  | 5,811,236                                    | Electrochemiluminescent Rhenium        |
|             | ·  | Moieties and Methods of Their Use      |
| 08/123,456  | 5,591,581                                    | Electrochemiluminescent Rhenium        |
|             |  | Moieties and Methods of Their Use      |
| 09/157,788  | 6,468,741                                    | Electrochemiluminescent Rhenium        |
|             | <u> </u>                                     | Moieties and Methods of Their Use      |
| 08/385,864  | 5,786,141                                    | Electrogenerated Chemiluminescence     |
| ·           |  | Labels for Analysis and/or Referencing |
| 09/082,273  | 6,479,233                                    | Electrogenerated Chemiluminescence     |
|             | · · · · · · · · · · · · · · · · · · ·        | Labels for Analysis and/or Referencing |
| 267,509     |  | Enhanced Electrochemiluminescence      |
| 08/308,641  |  | Enhanced Electrochemiluminescence      |
| 08/482,352  | 6,099,760                                    | Hydrogen Peroxide Based ECL            |
| 09/137,159  | 6,136,233                                    | Hydrogen Peroxide Based ECL            |

| Application<br>Number | Patent.<br>Number | Title                                 |
|-----------------------|-------------------|---------------------------------------|
|                       | 6,200,531         | Apparatus for Carrying Out            |
| 09/076,325            | 0,200,001         | Electrochemiluminescence Test         |
|                       |                   | Measurements                          |
|                       | 6,517,777         | Apparatus for Carrying Out            |
| 09/761,528            |                   | Electrochemiluminescence Test         |
|                       | •                 | Measurements                          |
|                       |                   | Apparatus for Carrying Out            |
| 10/031,868            |                   | Electrochemiluminescence Test         |
|                       |                   | Measurements                          |
|                       |                   | Apparatus for Carrying Out            |
| 10/313,411            |                   | Electrochemiluminescence Test         |
|                       |                   | I                                     |
|                       | ·                 | Measurements                          |
| 60/392,399            |                   | Improved Assay Systems and            |
|                       | <u> </u>          | Components                            |
| 10/600,165            |                   | Improved Assay Systems and            |
|                       |                   | Components                            |
| 08/479,817            | 5,597,910         | Electrochemiluminescent Label for DNA |
|                       | <u> </u>          | Probe Assays                          |
| 08/461,645            | 5,686,244         | Method for Detecting a Nucleic Acid   |
| ,                     |                   | analyte Using an Improved             |
|                       |                   | Electrochemiluminescent Label         |
| 08/461,038            | 5,610,017         | Method for Conducting a Polymerase    |
|                       |                   | Chain Reaction Using an Improved      |
|                       |                   | Electrochemiluminescent Label         |
| 08/906,654            | 6,087,476         | Luminescent Chimeric Proteins         |
| 666,987               |                   | Luminescent Metal Chelate Labels and  |
| 000,001               |                   | Means for Detection                   |
| 08/477,579            | 5,714,089         | Luminescent Metal Chelate Labels and  |
| 00/ 11 1,010          | , .               | Means for Detection                   |
| 07/789,418            | 5,310,687         | Luminescent Metal Chelate Labels and  |
| 0///00,110            | -,-               | Means for Detection                   |
| 08/474,760            | 5,731,147         | Luminescent Metal Chelate Labels and  |
| JUI 41 11,1 VV        |                   | Means for Detection                   |
| 06/789,113            | 5,238,808         | Luminescent Metal Chelate Labels and  |
| 00//03,110            | J,=30,000         | Means for Detection                   |
| 07/609,072            | 5,221,605         | Luminescent Metal Chelate Labels and  |
| 077000,072            | 0,221,000         | Means for Detection                   |
| 00/150 770            | 5,453,356         | Luminescent Metal Chelate Labels and  |
| 08/159,770            | 5,755,556         | Means for Detection                   |
| 00/000 004            | 6,140,138         | Luminescent Metal Chelate Labels and  |
| 08/238,224            | , U, 14U, 130     | Means for Detection                   |
|                       | 5 744 2C7         | Magnetic Particle Based               |
| 08/339,237            | 5,744,367         | Electrochemiluminescent Detection     |
| ,                     |                   | Apparatus and Method                  |
|                       |                   | 1 Uhhararas and Method                |
|                       |                   |                                       |
|                       | •                 | . 4                                   |
|                       |                   | •                                     |

| Application | Patent                                | Title                                  |
|-------------|---------------------------------------|--|
| Number      | Number                                |  |
| 09/066,704  | 6,133,043                             | Magnetic Particle Based                |
|             |                                       | Electrochemiluminescent Detection      |
|             |                                       | Apparatus and Method                   |
| 07/773,971  | 5,147,806                             | Method and Apparatus for Conducting    |
|             |                                       | Electrochemiluminescence Measurements  |
| 07/744,890  | 5,247,243                             | Method and Apparatus for Conducting    |
|             |                                       | Electrochemiluminescence Measurements  |
| 08/057,682  | 5,296,191                             | Method and Apparatus for Conducting    |
|             |                                       | Electrochemiluminescence Measurements  |
| 07/188,258  |                                       | Method and Apparatus for Conducting    |
|             |                                       | Electrochemiluminescence Measurements  |
| 652,427     |                                       | Method and Apparatus for Magnetic      |
|             |                                       | Microparticulate Based Luminescence    |
|             | •                                     | Assay Including Plurality of Magnets   |
| 827,269     |                                       | Method and Apparatus for Magnetic      |
|             | ·                                     | Microparticulate Based Luminescence    |
| •           |                                       | Assay Including Plurality of Magnets   |
| 08/255,824  | 5,705,402                             | Method and Apparatus for Magnetic      |
|             |                                       | Microparticulate Based Luminescence    |
|             |                                       | Assay Including Plurality of Magnets   |
| 60/292,777  |                                       | Method for Detecting Pathogens Using   |
|             |                                       | Electrochemiluminescence               |
| 10/151,295  |                                       | Method for Detecting Pathogens Using   |
|             | <u> </u>                              | Electrochemiluminescence               |
| 08/922,761  | 6,132,955                             | Method for Derivitizing Electrodes and |
| '           |                                       | Assay Methods Using Such Derivatized   |
|             | <u> </u>                              | Electrodes                             |
| 08/430,119  | 5,556,770                             | Method of Preparing a Composition that |
|             | · · · · · · · · · · · · · · · · · · · | Enhances                               |

| Application                             | Patent          | Title                                    |
|---|-----------------|--|
| Number                                  | Number          |  |
| 804,951                                 |                 | Method for Exponential Amplification of  |
|   |                 | Nucleic Acid by a Single Unpaired Primer |
| 08/221,543                              | 6,174,709       | Method for Making a Primer and Nucleic   |
| Ī                                       |                 | Acid Exponential Amplification Methods   |
|   |                 | Using said Primer                        |
| 652,427                                 |                 | Methods and Apparatus for Improved       |
|   |                 | Luminescence Assays                      |
| 827,269                                 | •               | Methods and Apparatus for Improved       |
|   |                 | Luminescence Assays                      |
| 827,270                                 |                 | Methods and Apparatus for Improved       |
|   |                 | Luminescence Assays                      |
| 08/090,467                              |                 | Methods and Apparatus for Improved       |
|   |                 | Luminescence Assays                      |
| 08/160,063                              | 5,962,218       | Methods and Apparatus for Improved       |
|   | ·               | Luminescence Assays                      |
| 08/346,832                              | 5,935,779       | Methods for Improved Particle            |
| 00.010,000                              |                 | Luminescence Assays                      |
| 08/461,395                              | 5,779,976       | Apparatus for Improved Luminescence      |
|   |                 | Assays                                   |
| 08/473,313                              | 6,078,782       | Methods for Improved Particle            |
| 00, 11 0,0 10                           | 3,51.5,1.5.     | Luminescence Assays                      |
| 09/253,558                              | 6,325,973       | Methods and Apparatus for Improved       |
|   |                 | Luminescence Assays                      |
| 08/465,443                              |                 | Methods and Apparatus for Improved       |
|   |                 | Luminescence Assays                      |
| 728,093                                 |                 | Methods and Apparatus for Improved       |
|   | •               | Luminescence Assays Using Particle       |
|   |                 | Concentration and Chemiluminescence      |
| 728,194                                 |                 | Methods and Apparatus for Improved       |
|   |                 | Luminescence Assays Using Particle       |
|   |                 | Concentration and Chemiluminescence      |
| 08/469,464                              | 5,798,083       | Apparatus for Improved Luminescence      |
|   | • • •           | Assays Using Particle Concentration and  |
|   |                 | Chemiluminescence Detection              |
| 08/348,749                              | 5,770,459       | Methods and Apparatus for Improved       |
|   | - • • • • • • • | Luminescence Assays Using Particle       |
| ·                                       |                 | Concentration and Chemiluminescence      |
| 08/467,028                              | 5,746,974       | Apparatus for Improved Luminescence      |
| , | -11             | Assays Using Particle Concentration and  |
|   |                 | Chemiluminescence                        |
| 08/335,183                              | 6,448,091       | Methods and Apparatus for Improved       |
| 00/303,103                              |                 | Luminescence Assays Using Particle       |
|   |                 | Concentration and Chemiluminescence      |
| 10/225 127                              |                 |  |
| 10/235,127                              |                 | Methods and Apparatus for Improved       |

| Application | Patent           | Title                                    |
|-------------|------------------|--|
| Number      | Number           |  |
|             |                  | Luminescence Assays Using Particle       |
|             |                  | Concentration and Chemiluminescence      |
| 60/503,362  |                  | Methods, Compositions and Kits for       |
|             |                  | Detecting Cryptosporidium Oocysts        |
| 08/437,348  | 5,679,519        | Multi-Label Complex for Enhanced         |
|             | •                | Sensitivity in Electrochemiluminescence  |
|             |                  | Assay                                    |
| 08/954,355  | 6,096,500        | Multi-Label Complex for Enhanced         |
| 00,00 ,,000 | ,                | Sensitivity in Electrochemiluminescence  |
|             |                  | Assay                                    |
| 08/413,536  |                  | Particle-Based Electrochemiluminescent   |
| 00/410,000  |                  | Assays                                   |
| 792,602     |                  | Rapid Assays for Amplification Products  |
| 652,427     |                  | Rapid Assays for Amplification Products  |
| 07/987,233  | 6,365,368        | Rapid Method for the Detection and       |
| 07/907,233  | 0,000,000        | Quantification of Microbes in Water      |
| 08/347,984  | 5,527,710        | Rate Measurements of Biomolecular        |
| 100/347,904 | 5,527,7,10       | Reactions Using                          |
|             |                  | Electrochemiluminescence                 |
| 09/09,048   |                  | Rate Measurements of Biomolecular        |
| 09/09,046   | ·                | Reactions Using                          |
|             |                  | Electrochemiluminescence                 |
| 424 696     |                  | Self-Sustained Sequence Replication      |
| 124,686     | · , <del>-</del> | Electrochemiluminescent Nucleic Acid     |
| 1           |                  | Assay                                    |
| 474,927     |                  | Self-Sustained Sequence Replication      |
| 4/4,92/     | ·                | Electrochemiluminescent Nucleic Acid     |
| 1           | •                | Assay                                    |
| 08/517,493  |                  | Separating Enantiomers by Molecular      |
| 00/31/,483  |                  | Imprinting Technology                    |
| 08/485,715  |                  | Simultaneous Assay Method Using          |
| 00/405,7 15 | •                | Lanthanide Chelates as the Luminophore   |
|             | •                | for Multiple Labels                      |
| 08/279,192  | 5,571,643        | Spectrophotometric Quantitation for      |
| 00/2/3,132  | 0,071,040        | Images in X-Ray Film and Electrophoresis |
| 29/180,894  |                  | Design for Detection Device              |
|             |                  | Design for Detection Device              |
| 29/182,691  |                  | Design for Detection Device              |

## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT AGREEMENT, effective the 12th day of February, 2004 ("Effective Date"), is by and between IGEN International, Inc., a Delaware corporation, having offices at 16020 Industrial Drive, Gaithersburg, Maryland 20877 (hereafter "IGEN"), and BioVeris Corporation, a Delaware corporation, having offices at 16020 Industrial Drive, Gaithersburg, Maryland 20877 (hereafter "BioVeris").

- 1. IGEN owns all right, title, and interest in and to the intellectual property identified below in paragraph 3, including each patent and patent application listed in Exhibit A attached hereto and to the inventions disclosed and claimed therein ("ASSIGNED PATENTS").
- 2. BioVeris is desirous of acquiring the entire right, title, and interest in and to the intellectual property owned by IGEN identified below in paragraph 3.
- For good and valuable consideration, receipt of which is hereby acknowledged, IGEN 3. hereby assigns to BioVeris all right, title and interest in and to, including all goodwill associated with, all intellectual property (excluding the "IGEN Names", as defined in paragraph 10 below and further excluding the trademarks and all goodwill associated with such trademarks which are covered by separate trademark assignment of even date herewith) owned or co-owned by IGEN including patents and patent applications (including all reissues, reexaminations, divisions, continuations, continuations-in-part, and extensions thereof), patent rights, patent improvements and related technology, patent improvement rights, inventions, invention disclosures, discoveries, methods, know-how, show-how, copyrights, and software (including object codes and source codes) ("ASSIGNED INTELLECTUAL PROPERTY"), such intellectual property including all right, title, and interest in and to each of the ASSIGNED PATENTS, each invention disclosed and claimed in any of the ASSIGNED PATENTS, any reissue or extension of any of the ASSIGNED PATENTS, and any other patent or patent application issued or filed anywhere in the world that relies for priority on or has the identical disclosure as any of the ASSIGNED PATENTS including corresponding foreign applications and foreign patents and any substitutions, divisions, continuations, continuations-in-part, renewals, reissues, reexaminations, confirmations or registrations.
- 4. IGEN further assigns to BioVeris all causes of action and associated damages for any and all acts of infringement of any ASSIGNED INTELLECTUAL PROPERTY including any ASSIGNED PATENTS that may have occurred prior to the date of this Assignment.
- 5. IGEN hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents as described above to record this Assignment and, to the extent it assigns pending applications, to issue all Letters Patent issuing therefrom to BioVens in accordance with the terms of this Assignment.
- 6. IGEN hereby agrees, without further consideration, to communicate to BioVeris, any facts known to it respecting the inventions disclosed and claimed in the ASSIGNED INTELLECTUAL PROPERTY including the ASSIGNED PATENTS, and to testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title in BioVeris to any ASSIGNED INTELLECTUAL PROPERTY including any ASSIGNED PATENTS and the invention disclosed and claimed therein, to execute all divisional, continuation, continuation-in-part, reexamination, and reissue applications, make all rightful oaths, and generally do everything

possible to aid BioVens to obtain and enforce proper patent protection throughout the world for the inventions disclosed and claimed in the ASSIGNED INTELLECTUAL PROPERTY including the ASSIGNED PATENTS, it being understood that any expense incident to the execution of such papers shall be borne by BioVens.

- 7. IGEN hereby grants to Richard J. Massey, Samuel J. Wohlstadter, and George V. Migausky, or any one of them, each of whom is an executive officer of BioVeris, a power of attorney to execute any additional documents that may be required to perfect the assignment of the ASSIGNED INTELLECTUAL PROPERTY including the ASSIGNED PATENTS in the future.
- 8. This Assignment and all rights granted herein shall inure to the benefit of the heirs, successors, and assigns of BioVens.
- 9. This Assignment shall be construed and enforced pursuant to the laws of the State of New York and of the United States. The sole and official version of this Assignment is in the English language.
- 10. Norwithstanding anything contained herein to the contrary, this Assignment shall not extend to and no assignment or transfer is being made of the "IGEN" name or any other names, imprints, trademarks, trade names, trade name rights, trade dress, domain names, service marks, service mark rights and service names of IGEN and its subsidiaries, whether or not registered, that include or are derivatives of the "IGEN" name, including all common law rights and all goodwill associated therewith (collectively herein the "IGEN Names").

IN WITNESS WHEREOF, each party hereto has caused this Assignment to be executed by a duly authorized officer on the dates specified below.

IGEN International, Inc.

BioVeris Corporation

Name RICHARD CUASE

Date February 12, 2004

Title CFO

Date February 12, 2004

Subscribed and sworn to before me this 12th day of February, 2004

Notary Public Former V

TANYA V. SELL NOTARY PUBLIC COMMISSION EXPIRES 05-25-2004

# **EXHIBIT A - ASSIGNED PATENTS**

|     |                                |   |   | est   | esl   | es  | esi   | es   |
|-----|--------------------------------|---|---|---|---|---|---|--|
|     |                                |   | Instrument incorporating electrochemiluminescent technology | Apparatus and Methods for Carrying Out Electrochemiluminescence Tesl Measurements | Apparatus and Methods for Carrying Out Electrochemiluminescence Tesl Measurements | Apparatus and Methods for Carrying Out Electrochemiluminescence Test Measurements | Apparatus and Methods for Carrying Out Electrochemiluminescence Test Measurements | Apparatus and Methods for Carrying Out Electrochemiluminescence Tes Measurements |
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|     |                                |   |   |   |   |   |   |  |
|     | EMERICATION IN BUSINESS        | - | 5,720,922   | 5,700,427   | 5,632,956   | 5,624,637   | 5,543,112   | 5,466,416  |
|     |                                |   |   |   |   |   |   |  |
|     | Manageringskiegeoristerialings |   | 08/326,535  | 08/462,605  | 08/461,257  | 08/461,647  | 08/462,822  | 08/061,676   |
|     | O                              |   |   | ,   |   |   |   |  |
|     |                                |   | SN  | SN  | sn  | SN  | SN  | SN   |
|     | SANATATE RENGIE                | • | P13190US0   | P13107US0   | P13105US0   | P13104US0   | P13106US0   | P13100US0  |
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|            | ·    |   |  |  |
| 12300US0   | Sn   | 07/647,687                                      | 5,093,268  | Apparatus for Conducting a Plurality of Simultaneous Measurements of Electrochemiluminescent Phenomena |
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| P12990US0        | SN                       | 07/267,234                                     | 5,061,445  | Apparatus for Conducting Measurements of Electrochemiluminescent |
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| Assays Employing Electrochemiluminescent Labels and Electrochemiluminescence Quenchers |          |   |   |   |   |
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| 09/074,472   |          |   |   | ٠ |   |
| Sn   | <u>-</u> | _ | ٠ |   | • |
| P17710US0  | ·<br>·   | • |   |   |   |

| P42230US1 US 08/480,078 5,818,636 Complementary Surface Confined Polymer Electrochromic Materials, Systems, and Methods of Fabrication Therefor  |
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| P42220US0 US 08/402,829 5,457,564 Complementary Surface Confined Polymer Electrochromic Materials, Systems, and Methods of Fabrication Therefor  |
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| MAINTERNORM (ROOM MERSERIAL NORM PANTING NORM REPRESENTATION OF THE PROPERTY O |
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| P09082US0 US 09/799,551 6,673,542 Assays For Measuring Nucleic Acid Damaging Activities  |
| P09080US0 US 09/157,809 6,214,552 Assays For Measuring Nucleic Acid Damaging Activities  |
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| P09100US0 US 09/157,808 6,312,896 Assays for Measuring Nucleic Acid Binding Proteins and Enzyme Activities   |
| P09101US0 US 09/976,437 Assays for Measuring Nucleic Acid Binding Proteins and Enzyme Activities   |
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| Coreactant-Including Electrochemiluminescent Compounds, Methods, Systems |          | 08/936,971     | SN  | P17920US1 |
| and Kits Utilizing Same  |          |                |     | •         |
| Coreactant-Including Electrochemiluminescent Compounds, Methods, Systems |          | 09/742,033     | SN  | P17921US0 |
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| P09020US1   | ns | 08/474,927        | 6,048,687  | Cycling DNA/RNA Amplification Electrochemiluminescent Probe Assay |
| P09020US2   | SN | 09/480,544        |  | Cycling DNA/RNA Amplification Electrochemiluminescent Probe Assay |

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| P84000US0     | US   | 60/447,610   |               | Deazaflavin Compounds and Methods of Use Thereof |
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| • | ECL Labels Having Improved NSB Properties | -    |
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|   | 09/896,974                                | •••• |
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| • | P17584US0                                 |      |

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| MATERINO PER NOTES      | W.COM       | WATTIERNOF   ECON   EX SERIATION   P17290USO   US   60/390,816   | MARKATENITUNO NEW MINISTER  | Electrochemiluminescence Flow Cell and Flow Cell Components  |
| P17292US0               | ns          | 10/600, 164  |   | Electrochemiluminescence Flow Cell and Flow Cell Components  |
| MATHERNOSS<br>P42030US0 | SU US       | MATHERING等。<br>P42030USO US 07/485,379   |   | 5,189,549 Electrochromic, Electroluminescent and Electrochemiluminescent Displays                        |
| P42050US0               | Sn          | 08/019;242   | 5,444,330   | Electrochromic, Electroluminescent and Electrochemiluminescent Displays                                  |

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| P42240US1  | SN   | 07/986.381   |  | Electrochromic, Electroluminescent | Electrochromic, Electroluminescent and Electrochemiluminescent Displays  |
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| P17560US0  | SN   | 08/596,830   | 5,804,400  | Electrochemilu                     | Electrochemiluminescent Assay  |
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| NA THER NO |      | WATHER NOW TO SEE WHEN SEEDING THE WATER   | AND THE PROJECTION OF  |                                    |  |

| P17103US1 | SN | 08/891,337 | 5,858,676 | Electrochemiluminescence of Rare Earth Metal Chelates |
|-----------|----|------------|-----------|---|
| P17104US2 | SN | 09/222,443 |           | Electrochemiluminescence of Rare Earth Metal Chelates |
|           |    |            |           |   |
|           |    | •          | _         |   |

| Electrochemiluminescent Monitoring of Compounds  | 6,316,180                  | 08/880,353   | SN | P17183US1 |
|--|----------------------------|--|----|-----------|
|  |                            | -  |    |           |
| Electrochemiluminescent Monitoring of Compounds  | 6,165,708                  | 08/880,209   | SN | P17190US2 |
| Electrochemiluminescent Monitoring of Compounds  | 5,643,713                  | 08/485,419   | ns | P17180US0 |
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| NEKSERIAL NOTAL                                | 858,354                        |
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| Flactochamiliminascent Assays | Election in minima and a |   |  | Electrochemiluminescent Assays | Electrochemiluminescent Assays |
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| 201 051100                    | 08/4/2,423               |   |  | 10/274,079                     | 08/415,758                     |
|                               | 2                        |   |  | SN                             | Sn                             |
| 001000000                     | P12102050                | _ |  | P12088US1                      | P12095US0                      |

|                       | Electrochemiluminescence Assays for Endotoxins |  |
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| MEGRATENTANO          | 5,610,075                                      |  |
| SCHOOL SERVING STATES | 08/373,365                                     |  |
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| WATERING              | P17240US0                                      |  |

|   | Electrochemiluminescent Enzyme Biosensors |  |
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|   | 08/467,712                                |  |
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|   | P17460US0                                 |  |

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| P17280US0  | SN   | 08/928,075  | 6,524,865  | Electrochemiluminescent Enzyme Immunoassay                     |
|  |  |   |  |  |
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| P17280US1  | SN   | 10/234,874  |  | Electrochemiluminescent Enzyme Immunoassay                     |
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|  | ns   | 266,914   |  | Electrochemiluminescent Reaction Using Amine-Derived Reductant |
| P12570US0  | ns   | 08/196,315  | 6,165,729  | Electrochemiluminescent Reaction Using Amine-Derived Reductant |

| P12578US0 | SN | 08/465,928 | 5,846,485 | Electrochemiluminescent Reaction Using Amine-Derived Reductant |
|-----------|----|------------|-----------|--|
| P12579US0 | ns | 08/467,936 | 6,271,041 | Electrochemiluminescent Reaction Using Amine-Derived Reductant |
| P12577US0 | ns | 08/467,232 | 6,451,225 | Electrochemiluminescent Reaction Using Amine-Derived Reductant |
| P12580US0 | ns | 860,065/60 |           | Electrochemiluminescent Reaction Using Amine-Derived Reductant |
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| MATTIERING | 000 | MANUSERIAL GINGRAM | WINDENTENTIAN STREET |  |
|------------|-----|--------------------|----------------------|--|
| ٠          | SN  | 117,017            |                      | Electrochemiluminescent Rhenium Moieties and Methods for Their Use |
| P12037US0  | SN  | 08/470,247         | 5,716,781            | Method of Calibration of an Electrochemiluminescent Assay System   |

|  |           | -          |    |           |
|--|-----------|------------|----|-----------|
| Electrochemiluminescent Rhenium Moieties and Methods for Their Use | 5,591,581 | 08/123,456 | S  | P12030US1 |
| Electrochemiluminescent Rhenium Moieties and Methods for Their Use | 5,811,236 | 08/468,524 | SN | P12036US0 |

| 10,408,741  10,408,741  10,408,741  10,408,741  10,408,741 |   |  |
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| 08/385,864 5,786,141 5,786,141                             |   | Electrochemiluminescent Knemum Molettes and Methods for Their Ose  |
| 08 (141   15   194082 273   6 479 233                      |   |  |
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| 08/385,864   5,786,141   6 479 233                         |   |  |
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| P17081WO0     | WO | PCT/US96/00493 | WO96/21154 | Electrogenerated Chemiluminescence Through Enhanced Particle Luminescence  |
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| AS NICELEAVIN |    |                |            |  |
|               | SN | 267,509        |            | Enhancement of the control of the co |
| P12480US0     | SN | 08/308,641     |            | Enhanced Electrochemiluminescence  |

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|----------------|----|-----------------------|---------------------------|-----------------------------|
| P17440US0      | SN | 08/482,352            | 092'660'9                 | Hydrogen Peroxide Based ECL |
| P17443US1      | Sn | 09/137,159            | 6,136,233                 | Hydrogen Peroxide Based ECL |
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|-------------|------|---------------|------------------------|---|
| P16280US0   | NS . | 09/076,325    | 6,200,531              | Apparatus for Carrying Out Electrochemiluminescence Test Measurements |
| P16280US1   | ns   | 09/761,528    | 6,517,777              | Apparatus for Carrying Out Electrochemiluminescence Test Measurements |

| -         |     |            |  |        |
|-----------|-----|------------|--|--------|
| P16285US0 | ns. | 10/031,868 | Improved Apparatus and Methods for Carrying Out Electrochemiluminescence Test Measurements | e Test |
| P16287US0 | SN  | 10/313,411 | Improved Apparatus and Methods for Carrying Out Electrochemiluminescence Test              | e Test |
|           |     |            | Measurements   | ~      |
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| PAWATHERINGS | <b>MCO.</b> | SERIMINOMAL |                                       |
|--------------|-------------|-------------|---------------------------------------|
| P16286US0    | SN          | 60/392,399  | Improved Assay Systems and Components |
| P16288US0    | SN          | 10/600,165  | Improved Assay Systems and Components |
|              | -           |             |                                       |

| Method for conducting a polymerase chain reaction using an improved electrochemituminescent label | 5,610,017       | 08/461,038      | SD   | P13451US0  |
|---|-----------------|-----------------|------|------------|
| Method for detecting a nucleic acid analyte using an improved electrochemiluminescent label       | 5,686,244       | 08/461,645      | SO   | P13450US0  |
|   | 1               |                 |      |            |
| Electrochemiluminescent Label for DNA Probe Assays  | 5,597,910       | 08/479,817      | ns   | P13440US0  |
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|  |   | Luminescent Chimeric Proteins |   | Luminescent Metal Chelate Labels and Means for Detection | Luminescent Metal Chelate Labels and Means for Detection |   | Luminescent Metal Chelate Labels and Means for Detection |   |   |  |
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| SOUTH STATES   | · | 08/906,654                    | THE REPORT OF THE PROPERTY OF | 666,987  | 08/477,579   |   | 07/789,418   |   |   |  |
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| MAINTEN STATE OF THE STATE OF T |   | 12220US0                      | WATTHERNOSTR  |  | P12052US0  |   | P12070US0  | ٠ | ( |  |

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| P12053US0                               | SN | 08/474,760 | 5,731,147  | Luminescent Metal Chelate Labels and Means for Detection |
| P12060US0                               | ns | 06/789,113 | 5,238,808  | Luminescent Metal Chelate Labels and Means for Detection |
| *************************************** |    |            |            |  |
| D120501150                              | 2  | 270 PD3/70 | 5 221 605  | Luminescent Metal Chelate Labels and Means for Detection |
| r 12000030                              | 3  | 21000010   | 2001. ==10 |  |
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| Luminescent Metal Chelate Labels and Means for Detection | 6,140,138 | US  08/238,224   6,140,138 | S  | P12071US1 |
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| Luminescent Metal Chelate Labels and Means for Detection | 5,453,356 | US  08/159,770             | SU | P12051US0 |
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| US 07/744,890 5,247,243 Method and Apparatus for C  | lectrochemiluminescence Measureme  | Method and Apparatus for Conducting Electrochemiluminescence Measurements | 5,296,191  | 08/057,682 | SU | P14380US0  |
|---|--|---|------------|------------|----|------------|
| wemou and apparatus to to   | lectrochemiluminescence Measuremen   | Method and Apparatus for Conducting E                                     | 5,247,243  | 07/744,890 | SU | P14370US0  |
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| Using said Primer  |                |                |     |            |
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| Method for Making a Primer and Nucleic Acid Exponential Amplification Methods    | 6,174,709      | 08/221,543     | SU  | P13420US0  |
| Method for Exponential Amplification of Nucleic Acid by a Single Unpaired Primer |                | 804,951        | US  |            |
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| Methods for Improved Particle Luminescence Assays      | 5,935,779    | 08/346,832 | US | 13400US0    |
|--|--------------|------------|----|-------------|
| Methods and Apparatus for Improved Luminescence Assays | 5,962,218    | 08/160,063 | SO | 13680US0    |
| Methods and Apparatus for Improved Luminescence Assays |              | 08/090,467 | S  |             |
| Methods and Apparatus for Improved Luminescence Assays |              | 827,270    | S  |             |
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| Methods and Apparatus for Improved Luminescence Assays |              | 652,427    | SU |             |
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| Methods and Apparatus for Improved Luminescence Assays |           | 08/465.443 | SU     | P13412US0 |
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| Methods and Apparatus for Improved Luminescence Assays | 6,325,973 | 09/253,558 | US     | P13413US0 |
| •  |           |            |        |           |
| Methods for Improved Particle Luminescence Assays      | 6,078,782 | 08/473,313 | S      | P13414US0 |
| Apparatus for Improved Luminescence Assays             | 5,779,976 | 08/461,395 | SU     | P13411US0 |

| Chemiluminescence Detection   |            |            |      |           |
|---|------------|------------|------|-----------|
| Apparatus for Improved Luminescence Assays Using Particle Concentration and | 5,798,083  | 08/469,464 | SU   | P13467US0 |
| Concentration and Chemiluminescence   |            |            |      |           |
| Methods and Apparatus for Improved Luminescence Assays Using Particle       |            | 728, 194   | S    | -         |
| Concentration and Chemiluminescence   |            |            |      |           |
| Methods and Apparatus for Improved Luminescence Assays Using Particle       |            | 728,093    | S    |           |
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| Apparatus for Improved Luminescence Assays Using Particle Concentration and Chemiluminescence             | 5,746,974 | US 08/467,028 | S | P13490US0 |
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| Methods and Apparatus for Improved Luminescence Assays Using Particle Concentration and Chemiluminescence | 5,770,459 | 08/348,749    | S | P13480US0 |

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|   | rochemiluminescent A                   | 对强制的 <b>规模</b> 的是一种重要的特殊的可能是一种多数的特殊。  |
|   | rochemiluminescent A                   | 到一种的 <b>外,</b> 在一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个  |
|   | rochemiluminescent A                   | 对对 <b>对对外的特殊的特殊的现在,</b> 可以是一种的特殊的,但是一种的特殊的特殊的。  |
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| SU                                      | US                                      | CO:           |
| 652,427                                 | 792,602                                 | SERIALINOTA   |
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| Rapid Assays for Amplification Products | Rapid Assays for Amplification Products |               |

| Rate Measurements of Biomolecular Reactions Using Electrochemiluminescence | <del></del> | 09/099,048  | S         | P1/1/0US1         |
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| Rate Measurements of Biomolecular Reactions Using Electrochemiluminescence | 5,527,710   | 08/347,984  | SU        | 17160US0          |
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| Rapid Method for the Detection and Quantification of Microbes in Water     | 6,365,368   | 07/987,233  | Sn OS     | P12040US0         |

|       | US 474,927   |       | US 124,686   | vandernamen "Compasenamingen |
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| Assay | Self-Sustained Sequence Replication Electrochemiluminescent Nucleic Acid | Assay | Self-Sustained Sequence Replication Electrochemiluminescent Nucleic Acid |                              |

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